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PRODUCT CATALOG 2025

HJT-Holz

ThermoWood®

The HJT-Holz 2025 catalog presents a wide range of premium-quality lumber and thermally treated wood products, ideal for profiling mills, wood importers, distributors, and architects.



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HJT-Holz and **ThermoWood®**

You can find information about our company and ThermoWood® as a product. Learn also grading and classification of ThermoWood® products.



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Rough sawn **ThermoWood®**

Browse products by dimensions and species that we manufacture to our stock. Learn about the raw material that we use for our rough sawn ThermoWood® products.



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Profiled **ThermoWood®**

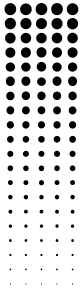
Browse profiled products what we manufacture and learn information about the dimensions that are possible for the demanded product.



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Thermotreatment **service**

We are also able to thermotreat your goods with our 27 year of experience in the industry of thermally modified timber.



ABOUT US

Introduction

Welcome to HJT-Holz, a leading family-owned company in the ThermoWood® industry, established in 1997. With a revenue of €14,7 million in 2024 and a dedicated team of 23 employees, we focus on innovation and quality to create top-notch **ThermoWood®** products.

We are on a mission

To sustainably produce and supply high-quality lumber, ensuring the utmost satisfaction of our customers through innovation, precision, and environmental stewardship.

Vision for the future

HJT-Holz sets the benchmark for excellence in thermally modified timber.

Our values

Long-terms partnerships
Sustainability

Transparency
Quality

HJT-Holz

Manufacturing **ThermoWood®** since 1997

8 KILNS

95 % OF PRODUCTION EXPORTED

49 000 M³ ANNUAL CAPACITY



QUALITY MATERIAL

RAW MATERIAL IS SOURCED FROM TRUSTED PARTNERS.



TRADEMARKED PRODUCTS

WE ARE AUTHORIZED TO USE THE ASSOCIATION'S THERMOWOOD® TRADEMARK.



EXPERIENCED PARTNER

PIONEER COMPANY IN THE INDUSTRY OF THERMAL MODIFICATION OF WOOD.



ACCREDITED & CERTIFIED

WE ARE COMMITTED TO SEVERAL CERTIFICATIONS IN OUR OPERATIONS.



ThermoWood



The mark of responsible forestry

ThermoWood®

ThermoWood® in a nutshell

ThermoWood® is a registered trademark for thermally modified timber produced under specific processes and quality standards set by the **International ThermoWood Association**. For us, being a member of the association means ensuring quality control and engaging in research to improve the end products.

Thermotreatment enhances the wood's durability, stability, and resistance to decay without the use of chemicals, making it an eco-friendly option. Only products that meet these rigorous standards and are produced under an independent quality control system can be labeled as genuine ThermoWood®. This is one of the biggest distinguishing factors between **ThermoWood®** and other thermally modified wood products.

ThermoWood® AB-GRADING

ThermoWood® A-class

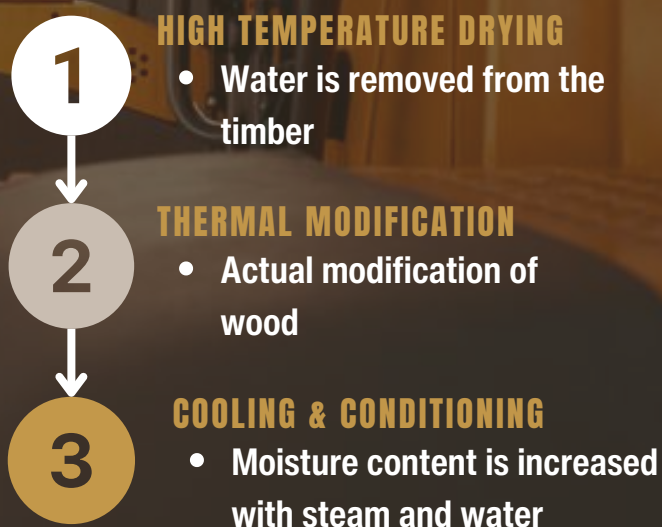
The Highest quality of ThermoWood® suitable for terraces and facades. It has a humidity level of $6\% \pm 2\%$. Permissible deviations in dimensions include a width and thickness of ± 0.5 mm, and length may vary between -10 mm and +30 mm. Quality Class A boards may have minor defects like small loose branches, resin pockets, knots, or superficial cracks.

AB boards are a mix of quality Classes A and B. By removing defects, wood from this class can be upgraded to Class A. (The main difference between A and AB is the number and size of defects, with no impact on the wood's physical or technical properties).

ThermoWood® AB-class

Similar to Class A, it's used for terraces and facades with the same humidity level. Deviations in dimensions are also ± 0.5 mm for width and thickness, and length can vary between -10 mm and +30 mm. However, AB boards may have more significant defects on one or more planks. Broken or splintered planks are not allowed in this class.

ThermoWood® production



ThermoWood®
thermowood.fi

ThermoWood® Softwoods Classification and Features

Standard ThermoWood® Treatment Classification

ThermoWood® has two treatment classes: Thermo-S and Thermo-D, suitable for softwood and hardwood. These classifications ensure the wood's properties remain distinct and reliable

ThermoWood® Class S

- 'S' stands for 'stability'.
- Average tangential swelling/shrinkage: 6-8%.
- Durability: Meets class 3 (EN 113 standard).
- Building components, dry condition furnishings/fixtures, furniture, garden furniture, sauna benches, door and window components.

ThermoWood® Class D

- 'D' stands for 'durability'.
- Average tangential swelling/shrinkage: 5-6%.
- Durability: Meets class 2 (EN 113 standard).
- Cladding, outer doors, shutters, environmental constructions, sauna and bathroom furnishings, flooring, garden furniture.

Softwoods

(Pine and Spruce)

Pinus sylvestris & Picea Abies

Thermo-S

Thermo-D

Treatment temperature

190 °C

212 °C

Weather resistance

+

++

Dimensional stability

+

++

Bending strength

no change

-

Colour darkness

+

++

Thermotreated Hardwoods Classification and Features

ThermoWood® and Hardwoods

Thermo-treated hardwoods offer exceptional dimensional stability, improved durability against decay, and a beautiful consistent color throughout the wood.

These features make them an excellent choice for both indoor and outdoor applications, ensuring long-lasting performance and aesthetic appeal.

Thermo-S Hardwoods

- Treatment temperature: 185 °C
- Improved dimensional stability
- Non-toxic and consistent color
- Uses: Furnishing, Fixtures, Furniture, Flooring, Sauna structures and Garden furniture

Thermo-D Hardwoods

- Treatment temperature: 200 °C
- Enhanced biological durability
- Darker color and improved decay resistance
- Uses: All uses of Thermo-S hardwoods
- Ideal when a darker color is desired

Hardwoods (Birch and Aspen) (Betula Pendula & Populus Tremula)	Thermo-S	Thermo-D
Treatment temperature	185 °C	200 °C
Weather resistance	no change	+
Dimensional stability	+	+
Bending strength	no change	-
Colour darkness	+	++

Rough sawn ThermoWood®



Ideal for profiling mills and wood importers



ThermoPine

Pinus sylvestris

AB-quality from Finland

AB-graded ThermoPine is crafted from pine top logs with healthy knots, ensuring a strong and stable material for your project needs. Lumber we supply from sawmills is sawn 2EX or 4EX. Rough-sawn products are available in treatment classes D and S.

Our raw material is sourced from the finest pine regions of Finland. Our trusted sawmill partners supply us rough sawn and unedged sawn timber what we thermally modify in our yard. These **ThermoPine** products are available **AB-graded**.

Versatile Lengths in Stock

ThermoPine is readily available in stock shown in the chart below, typically in lengths ranging from 3000 mm to 5400 mm. Other lengths and dimensions are also possible upon request.

Thickness (mm)	Width (mm)	50	75	100	125	150	175	200
19				X				
22				X	X	X	X	
25			X	X	X	X	X	X
32			X	X	X	X	X	X
38				X	X	X		
50		X	X	X	X	X	X	X



ThermoSpruce

Picea Abies

AB-quality from Finland

Our ThermoSpruce is meticulously crafted from top-quality spruce logs. The lumber we use as a raw material for our product is usually sawn 2EX. Rough sawn products are available in treatment classes D and S. Apart from chart below, we are able to produce also custom dimensions.

Raw material is sourced from the finest spruce regions in Finland through our trusted sawmill partners. Raw material is thermally treated as rough sawn and unedged. **ThermoSpruce** products are available **AB-graded**.

Versatile Lengths in Stock

ThermoSpruce is available typically in lengths ranging from 3000 mm to 5400 mm. Other lengths are also possible upon request.

Thickness (mm)	Width (mm)	50	63,5	75	100	125	150	175	200	225	250
19				X							
22					X	X	X	X	X	X	X
25				X	X	X	X	X	X	X	X
32				X	X	X	X	X	X	X	X
38					X	X	X	X	X		
50		X		X	X	X	X	X	X	X	X
63			X			X	X	X	X	X	X
75					X	X	X	X	X	X	X
100					X	X	X	X	X	X	X



ThermoRadiata

Pinus radiata

A-quality from New Zealand

A-class ThermoRadiata is crafted from the finest sections of Radiata Pine, ensuring superior quality and performance for your projects. We source our raw material from the lower, knot-free sections of the trunk, known for their straight grain and minimal imperfections. Products can be sold 3 or 4 side clean

Lumber is sawn 4EX to maximize the clear, high-grade wood. Available in rough sawn forms, our products come in treatment classes D and S, catering to various needs. **ThermoRadiata** products are available **3 side clean and 4 side clean**

Versatile Lengths in Stock

Lengths range from 3000 mm to 5400 mm. Other lengths and dimensions are also possible upon request.

Thickness (mm)	Width (mm)	50	75	100	125	150	175	200
19								
22								
25				X	X	X	X	X
32			X	X	X	X	X	X
38								
50				X		X		X



ThermoAsh

Fraxinus Excelsior

A/AB-quality from Europe

A-graded ThermoAsh is a top-tier, thermally modified hardwood that stands out for its durability, stability, and rich appearance. The A-grade designation means that the wood is of the highest quality, featuring minimal knots or imperfections, giving it a smooth, refined finish that's perfect for premium projects.

Available in rough sawn forms, our products come in treatment classes D and S, catering to various needs. These **ThermoAsh** products are available **3 side clean** and **4 side clean**.

Versatile Lengths in Stock

Lengths range from 1500 mm to 3000 mm.



Thickness (mm)	Width (mm)	125	145	155	160	175
19						
26			X		X	
27						
52				X		



ThermoAyouS

Triplochiton Scleroxylon

A-quality from Africa

A-graded **ThermoAyouS** is a premium thermally modified hardwood known for its smooth texture, durability, and uniform appearance. Through a chemical-free heat treatment process at around 200°C, the wood gains increased resistance to decay, moisture, and insect damage, making it ideal for exterior applications like cladding and decking, as well as interior use.

Available in rough sawn forms, our products come in treatment classes D and S, catering to various needs.

Versatile Lengths in Stock

Lengths range from 3000 mm to 5400 mm. Other lengths and dimensions are also possible upon request.



Thickness (mm)	Width (mm)	50	75	100	125	150	175	200
19								
22								
25						X		X
30								



ThermoFrake

Terminalia superba

A-quality from Africa

ThermoFraké is highly dimensionally stable, meaning it resists warping and shrinking, making it perfect for exterior applications like cladding and decking, as well as interior design projects that require both beauty and longevity.

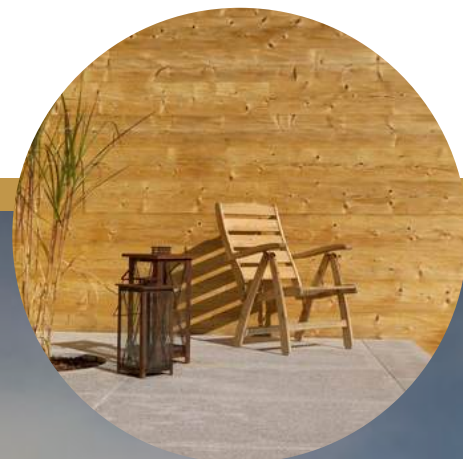
Available in rough sawn forms, our products come in treatment classes D and S, catering to various needs. **ThermoFraké** products are available A-graded.

Versatile Lengths in Stock

Lengths range from 3000 mm to 5400 mm. Other lengths and dimensions are also possible upon request.

Thickness (mm)	Width (mm)	50	75	100	125	150	175	200
23			X		X	X	X	
25			X	X	X	X		X
30			X	X		X		X
50			X	X		X		

Profiled ThermoWood®



Ideal for end users, distributors and architects

Exterior cladding panels

Profiled ThermoWood®



Exterior Profile 1

#Exterior 1

Description

- 26X117 mm
- Killing grooves
- ThermoPine or ThermoSpruce
- Improved decay resistance and dimension stability

Exterior Profile 2

#Exterior 2

Description

- 19X118 mm
- Killing grooves
- ThermoPine or ThermoSpruce
- Improved decay resistance and dimension stability



Exterior Profile 3

#Exterior 3

Description

- 19X140 mm
- Killing grooves
- ThermoPine or ThermoSpruce
- Improved decay resistance and dimension stability

Interior cladding panels

Profiled ThermoWood®



Interior Profile 1

#Interior 1

Description

- 26X88 mm
- ThermoPine or ThermoSpruce



Interior Profile 2

#Interior 2

Description

- 15X90 mm or 26X138 mm
- Killing grooves
- ThermoPine



Interior Profile 3

#Interior 3

Description

- 15X90 mm
- Killing grooves
- ThermoPine or ThermoSpruce



Interior Profile 4

#Interior 4

Description

- 17X118 mm
- Killing grooves
- ThermoPine or ThermoSpruce



Interior Profile 5

#Interior 5

Description

- 15X90 mm
- Killing grooves
- ThermoPine or ThermoSpruce



Interior Profile 6

#Interior 6

Description

- Fingerpanel
- 15X90 mm
- ThermoPine or ThermoSpruce

Boards, planks & battens

Profiled ThermoWood®



Batten Profile 1

#Batten 1

Description

- Rhombus profile
- 20X68 or 26X68 or 26x90 mm
- ThermoPine



Batten Profile 2

#Batten 2

Description

- SHP Profile
- 42X92 or 42x117 mm
- ThermoPine



Batten Profile 3

#Batten 3

Description

- SHP Profile
- 42X42 mm
- ThermoPine or ThermoSpruce



Batten Profile 4

#Batten 4

Description

- SHP Profile
- 42x68 mm
- ThermoPine

Decking boards

Profiled ThermoWood®



Decking Profile 1

#Decking 1

Description

- SHP Profile
- 19X92 or 26X92 or 42X68 mm
- 19X117 or 26X117 or 42X92 mm
- 19X140 or 26X140 or 42X117 mm
- 19X190 or 42X140 mm
- 42X190 mm
- ThermoPine



Decking Profile 2

#Decking 2

Description

- Concealed decking connector
- 26x117 or 26x140 or 26x190 mm
- ThermoPine



Decking Profile 3

#Decking 3

Description

- Grooved profile
- 19X117 or 26X117 or 42X92 mm
- 19X140 or 26X140 or 42X117 mm
- ThermoPine

Thermotreatment Service



**Ideal for sawmills or others who work with
normal timber**

Thermotreatment

Service



Custom Thermal Modification for Your Timber

At HJT-Holz, customers can bring their own timber for thermal modification. Our process ensures your wood achieves exceptional durability and stability, perfect for various applications. The steps include consultation, delivery, thermal treatment, quality assurance, and pickup or delivery.

Service walkthrough

1

Consultation and Assessment

Contact our customer service team to discuss your specific needs and the type of wood you plan to bring. We'll provide an initial assessment and help you understand the benefits of thermal modification for your timber.

2

Scheduling and arrival to our yard

After the assessment, we'll schedule your timber delivery. Our team will provide instructions to prepare and transport your timber. This ensures it arrives in the best condition.

3

Thermal Modification Process

Upon arrival, your wood will undergo our advanced thermal modification process. We precisely control temperature and humidity to enhance the wood's properties. This makes the timber more durable and stable.

4

Quality Assurance

After treatment, our quality control team will thoroughly inspect the wood. We verify the modification process's success and ensure the timber is ready for use.

5

Pickup or Delivery

Once your timber has passed quality inspection, you can choose to pick it up from our facility or arrange for delivery to your specified location. Our team will ensure that your wood is handled with care throughout the process.



Contact us

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